

## ABSTRACT

Methods of treating a cancer or tumor, chemopreventative methods of prophylactically treating cancers or tumors, pharmaceutical compositions, methods for the treatment or prevention of a hypoxia-related pathology, methods of modulating HIF-1 activity in a cell, methods of downregulating HIF-1 activity in a cell, methods of treating or preventing cancer or a tumor in a host, and methods of modulating gene transcription in a cell are described.

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## SUBSTITUTE ABSTRACT